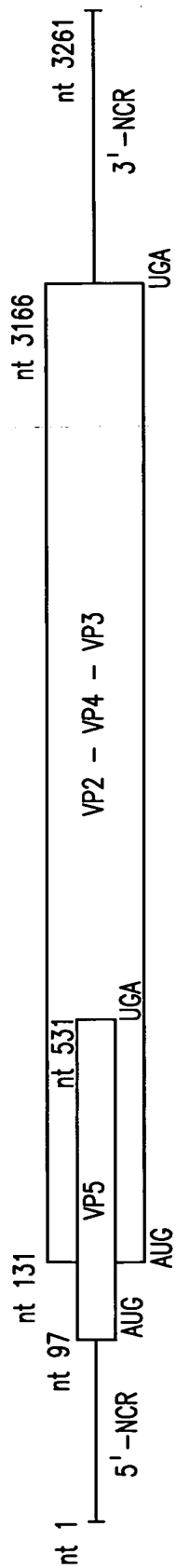


Genomic organization of segment A of strain D78 and segment B of strain P2

D78 segment A



P2 segment B

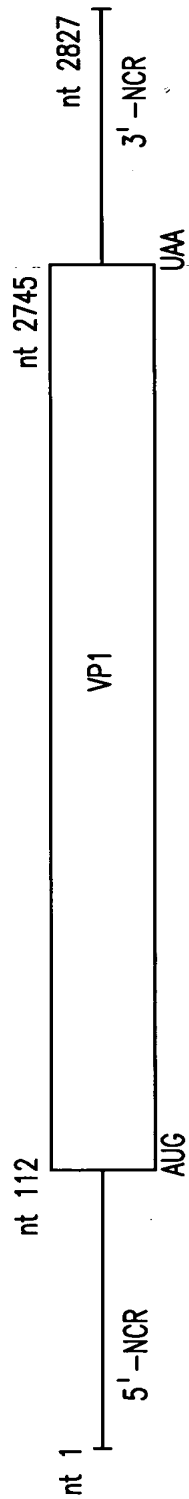


FIG. 1

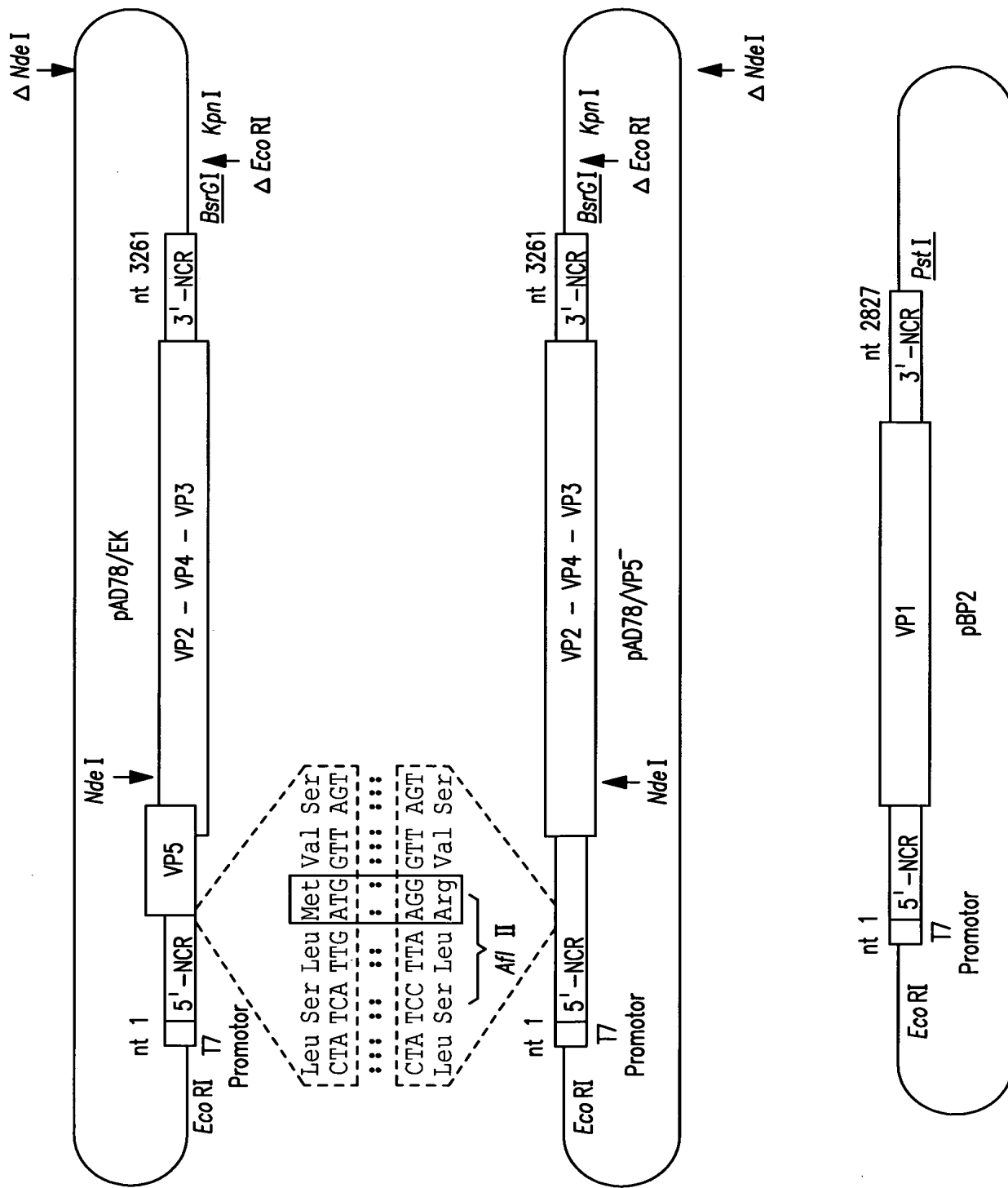


FIG. 2

The figure shows two plasmid maps, pAD78/EK (left) and pAD78/VP5⁻² (right). Both plasmids are circular and contain a VP5 gene and a VP2-VP4-VP3 gene. The VP5 gene is flanked by NdeI sites, and the VP2-VP4-VP3 gene is flanked by KpnI and EcoRI sites. A dashed box highlights the VP5 gene sequence, and a bracket indicates the BstBI site at the end of the VP5 gene.

VP5 Gene Sequence:

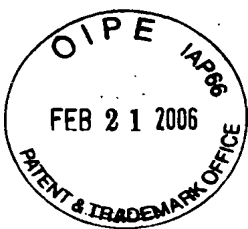
Leu	Ser	Leu	Met	Val	Ser	Arg	Asp	Gln	Thr	Asn
CTA	TCA	TTG	ATG	GTT	AGT	AGA	GAT	CAG	ACA	AAC

VP2-VP4-VP3 Gene Sequence:

CTA	TCC	TTC	GAA	GTT	AGT	TGA	GAT	CTG	ACA	AAC
Leu	Ser	Phe	Glu	Val	Ser	*	Asp	Leu	Thr	Asn

Plasmid Maps:

- pAD78/EK:** Contains a 5' NdeI site, a 3' NdeI site, and a 3' KpnI site. The VP5 gene is flanked by NdeI sites, and the VP2-VP4-VP3 gene is flanked by KpnI and EcoRI sites.
- pAD78/VP5⁻²:** Contains a 5' NdeI site, a 3' KpnI site, and a 3' EcoRI site. The VP5 gene is flanked by NdeI sites, and the VP2-VP4-VP3 gene is flanked by KpnI and EcoRI sites.



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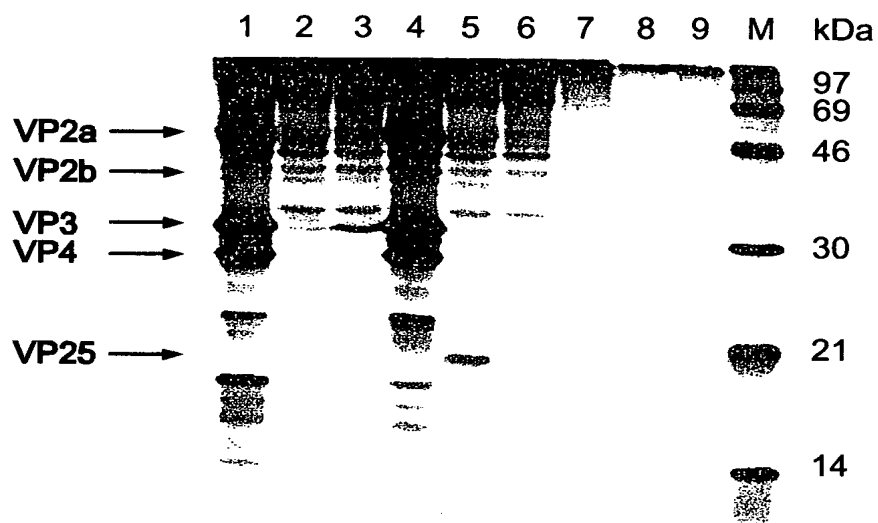


FIG. 4

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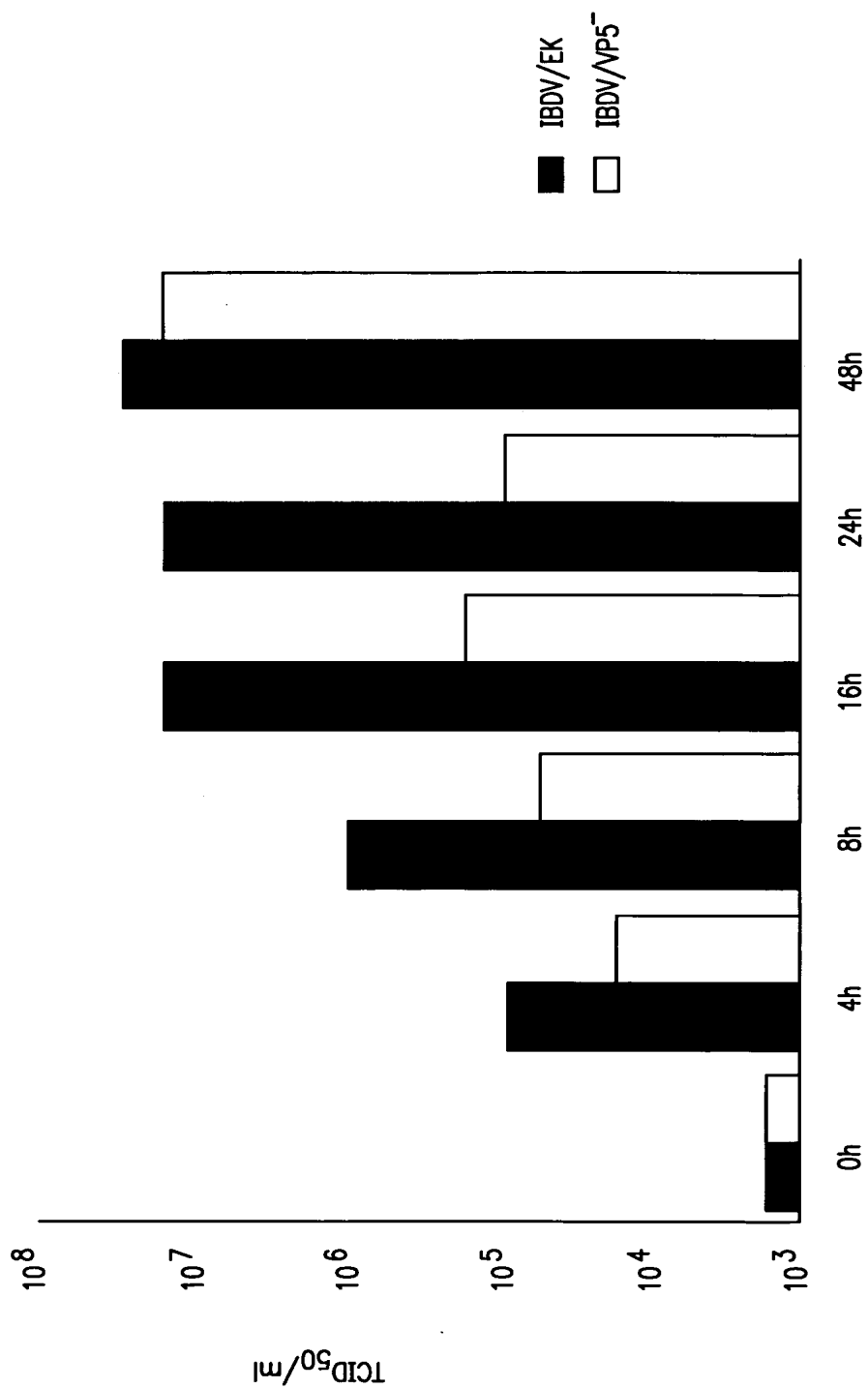


FIG. 5